#38

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TECH CENTER 1600/2900

1632

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/160,076

DATE: 07/10/2002
TIME: 11:03:37

Input Set : **A:\Seqlist.txt**
Output Set: **N:\CRF3\07102002\I160076.raw**

```
 4 <110> APPLICANT: Scott, David T.
 5        Zambidis, Elias T.
 7 <120> TITLE OF INVENTION: TOLERGENIC FUSION OF IMMUNOGLOBULINS AND
 8        METHODS FOR INDUCING AND MAINTAINING TOLERANCE
11 <130> FILE REFERENCE: 308072000110
13 <140> CURRENT APPLICATION NUMBER: US 09/160,076
14 <141> CURRENT FILING DATE: 1998-09-24
16 <150> PRIOR APPLICATION NUMBER: US 08/195,874
17 <151> PRIOR FILING DATE: 1994-02-11
19 <160> NUMBER OF SEQ ID NOS: 11
21 <170> SOFTWARE: FastSEQ for Windows Version 4.0
23 <210> SEQ ID NO: 1
24 <211> LENGTH: 45
25 <212> TYPE: DNA
26 <213> ORGANISM: Artificial Sequence
28 <220> FEATURE:
29 <223> OTHER INFORMATION: Synthetic construct
31 <400> SEQUENCE: 1
32 ctggaggacg cgcggcggct gaaggcgata tacgagaaga agaag              45
34 <210> SEQ ID NO: 2
35 <211> LENGTH: 15
36 <212> TYPE: PRT
37 <213> ORGANISM: Artificial Sequence
39 <220> FEATURE:
40 <223> OTHER INFORMATION: Synthetic construct
42 <400> SEQUENCE: 2
43 Leu Glu Asp Ala Arg Arg Leu Lys Ala Ile Tyr Glu Lys Lys Lys
44  1               5                   10                  15
47 <210> SEQ ID NO: 3
48 <211> LENGTH: 31
49 <212> TYPE: DNA
50 <213> ORGANISM: Artificial Sequence
52 <220> FEATURE:
53 <223> OTHER INFORMATION: Synthetic construct
55 <400> SEQUENCE: 3
56 tgatctactg cagctggagg acgcgcggcg g                            31
58 <210> SEQ ID NO: 4
59 <211> LENGTH: 40
60 <212> TYPE: DNA
61 <213> ORGANISM: Artificial Sequence
63 <220> FEATURE:
64 <223> OTHER INFORMATION: Synthetic construct
66 <400> SEQUENCE: 4
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```
      67 cgacctcctg cagttggacc tgcttcttct tctcgtatat              40
      69 <210> SEQ ID NO: 5
      70 <211> LENGTH: 75
      71 <212> TYPE: DNA
      72 <213> ORGANISM: Artificial Sequence
      74 <220> FEATURE:
      75 <223> OTHER INFORMATION: Synthetic construct
W--> 77 <221> NAME/KEY: CDS
      78 <222> LOCATION: (16)...(61)
W--> 80 <400> 5
      81 caggtccaac tgcag ctg gag gac gcg cgg cgg ctg aag gcg ata tac gag    51
      82                 Leu Glu Asp Ala Arg Arg Leu Lys Ala Ile Tyr Glu
      83                  1               5                   10
      85 aag aag aag c aggtccaact gcag                           75
      86 Lys Lys Lys
      87          15
      90 <210> SEQ ID NO: 6
      91 <211> LENGTH: 29
      92 <212> TYPE: DNA
      93 <213> ORGANISM: Artificial Sequence
      95 <220> FEATURE:
      96 <223> OTHER INFORMATION: Synthetic construct
      98 <400> SEQUENCE: 6
      99 tggactaagt cgacaccatg ggatgcagc                         29
     101 <210> SEQ ID NO: 7
     102 <211> LENGTH: 33
     103 <212> TYPE: DNA
     104 <213> ORGANISM: Artificial Sequence
     106 <220> FEATURE:
     107 <223> OTHER INFORMATION: Synthetic construct
     109 <400> SEQUENCE: 7
     110 ggcaacagaa gctttcactt cttcttctcg tat                    33
     112 <210> SEQ ID NO: 8
     113 <211> LENGTH: 31
     114 <212> TYPE: DNA
     115 <213> ORGANISM: Artificial Sequence
     117 <220> FEATURE:
     118 <223> OTHER INFORMATION: Synthetic construct
     120 <400> SEQUENCE: 8
     121 tgatctactg cagctggagg acgcgcggcg g                      31
     123 <210> SEQ ID NO: 9
     124 <211> LENGTH: 87
    .125 <212> TYPE: DNA
     126 <213> ORGANISM: Artificial Sequence
     128 <220> FEATURE:
     129 <223> OTHER INFORMATION: Synthetic construct
W--> 131 <221> NAME/KEY: sig_peptide
     132 <222> LOCATION: (1)...(9)
W--> 134 <221> CDS
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```
      135 <222> LOCATION: (1)...(87)
W-->  137 <400> 9
      138 gtc cac tcc cag gtc caa ctg cag ctg gag gac gcg cgg cgg ctg aag      48
      139 Val His Ser Gln Val Gln Leu Gln Leu Glu Asp Ala Arg Arg Leu Lys
W-->  140          1           5                    10
      142 gcg ata tac gag aag aag aag cag gtc caa gtg cag cag                   87
      143 Ala Ile Tyr Glu Lys Lys Lys Gln Val Gln Val Gln Gln
W-->  144  15                  20                   25
      147 <210> SEQ ID NO: 10
      148 <211> LENGTH: 29
      149 <212> TYPE: PRT
      150 <213> ORGANISM: Artificial Sequence
      152 <220> FEATURE:
      153 <221> NAME/KEY: SIGNAL
      154 <222> LOCATION: (1)...(3)
      156 <223> OTHER INFORMATION: Synthetic construct
      158 <400> SEQUENCE: 10
      159 Val His Ser Gln Val Gln Leu Gln Leu Glu Asp Ala Arg Arg Leu Lys
      160          1           5                    10
      161 Ala Ile Tyr Glu Lys Lys Lys Gln Val Gln Val Gln Gln
      162     15                  20                   25
      165 <210> SEQ ID NO: 11
      166 <211> LENGTH: 45
      167 <212> TYPE: DNA
      168 <213> ORGANISM: Artificial Sequence
      170 <220> FEATURE:
      171 <223> OTHER INFORMATION: Synthetic construct
      173 <400> SEQUENCE: 11
      174 tcccttcttc tcgtatatcg ccttcagccg ccgcgcgtcc tccag               45
```

VERIFICATION SUMMARY　　　　　　　DATE: 07/10/2002
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Input Set : **A:\Seqlist.txt**
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```
L:77  M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:80  M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:5
L:131 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:134 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:9
L:137 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:9
L:140 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:9
L:144 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:9
```